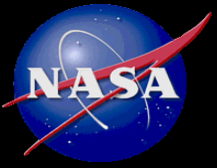


# **Partnering for the Future**

**KSC's Use of EUL, Space Act,  
and other tools to build a 21<sup>st</sup>  
century space launch complex**

**Jim Ball, Deputy Manager  
Center Planning and  
Development**

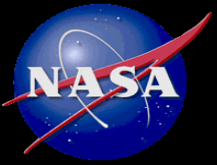


# Our Goal: Develop, Operate, & Sustain a Multiuser Launch Complex

Kennedy Space Center

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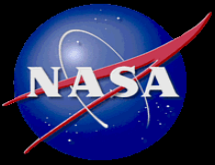
# Our Opportunities

Kennedy Space Center

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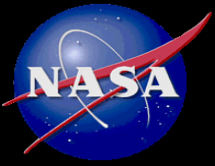
# Our Opportunities

Kennedy Space Center

Center Planning and Development

- ◆ Enable commercial spaceflight in support of new markets
- ◆ Improve U.S. position in a competitive global market
- ◆ Sustain a national asset and key element of industrial base
- ◆ Optimize use of existing and future spaceport capabilities
- ◆ Grow the return on public investment made since 1960s



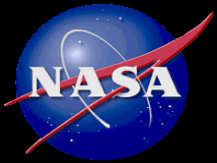


# Our Challenges

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- 
- An aerial photograph of the Kennedy Space Center, showing the launch complex, support facilities, and the surrounding coastal area. The image is used as a background for the list of challenges.
- Reduce overhead and recurring costs
  - Enable “buy by the yard” capabilities
    - Modernize, right size infrastructure
    - Manage range/airspace access
    - Design a flexible architecture
    - Improve sustainability
      - Adapt land uses
      - Encroachment

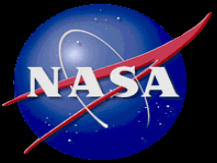


# KSC Transformation: A Work in Progress

Kennedy Space Center

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- ◆ What EUL authority has enabled at KSC
- ◆ Real Property Use Permits
- ◆ Exploring the frontiers of property disposition
- ◆ KSC's "Notice of Availability"
- ◆ Using the right tool for the job



# KSC Experience with EUL Authority

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- ◆ Two projects totaling 120 leased acres featuring up-front, in-kind consideration
  - Options incorporated to allow for expansion to adjacent land
- ◆ A 60-acre site leased to Space Florida for a research and technology park
  - \$4 million+ in improvements to NASA property by end of CY 2011, plus O&M of improvements during term and a % of revenue
- ◆ A 60-acre site leased to a Florida utility for a 10 megawatt solar farm integrated into its grid
  - \$6.36 million in separate solar farm for KSC, plus O&M of government's asset for term
- ◆ About a dozen small-site leases providing total of approximately \$50,000 annually in cash



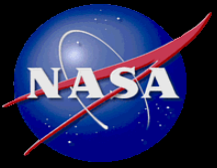


Kennedy Space Center



# EXPLORATION<sup>®</sup> PARK at Kennedy Space Center





# Growing the Research & Technology Base

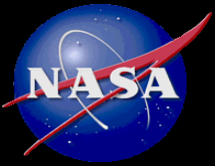
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**Under development by Space Florida in partnership with NASA, KSC's new research and technology park will offer a unique collaborative environment.**





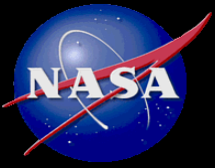
# Exploration Park Phase 1 Master Plan

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# Public-Private Partnership for Solar Power Facilities

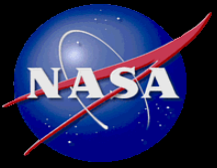
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**Deal provided KSC its own facility generating 1% of Center needs from renewable power. Project won GSA's 2009 Achievement Award for innovative practices and initiatives.**





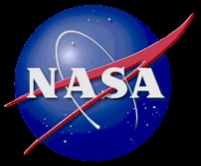
# Sustainability through Clean Energy

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May 10, 2011



# Partnerships for Mission

Kennedy Space Center  
Center Operations Directorate

*Center Planning and Development Office*



Use Permit to State of Florida enabled construction/operation of \$30 million Space Life Sciences Lab in support of ISS.





# Partnerships for Mission

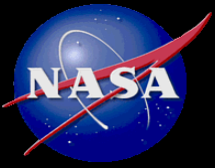
Kennedy Space Center  
Center Operations Directorate

*Center Planning and Development Office*



Use Permit to  
State of Florida  
enabled  
construction of  
\$38 million  
Apollo/Saturn V  
Center in 1996.





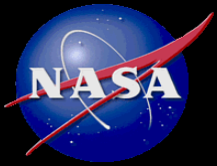
# KSC's Notice of Availability

Kennedy Space Center

Center Planning and Development

- ◆ Published January 24, 2011
- ◆ Identified all major KSC facilities anticipated to become idle or under used
- ◆ Continued the dialogue with industry on how to re-purpose facilities
- ◆ Received 30 responses from both industry and government
- ◆ 17 responses fit definition for priority consideration
- ◆ Evaluation of “best fit” for available assets is on-going





# KSC's Notice of Availability

Kennedy Space Center

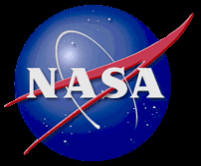
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## ◆ Targeted uses and users

- *Entities which operate or directly support space launch or space user missions for U.S. government at KSC or CCAFS*
- *Entities which operate or directly support commercial space launch or commercial space user missions whether or not U.S. government is a customer*

## ◆ Published criteria for assessing candidate uses

- Alignment with NASA's mission, purpose, and KSC long-term development
- Benefits and risks to NASA, KSC, and USG
- Schedule alignment (need date vs. availability and/or transition)
- Financial viability
- Environmental, safety, and security impacts
- Sustainment of technical workforce



# Pathfinder Facility Use Agreement

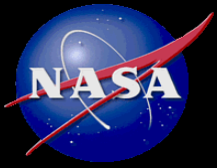
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May 10, 2011





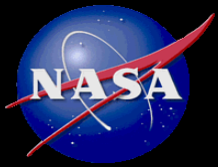
# Exploring the frontiers of property disposition

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- ◆ Disposing improvements only
- ◆ GSA processes
  - Public Benefit Conveyance
  - Negotiated sales with state/local govt.
- ◆ Transfer to other agencies
  - DoD
  - FAA





# Using the right tool for the job

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